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1: N68916. za69d12.s1 Soares...[gi:1225077] Taxonomy, LinkOut

```
LOCUS       N68916         406 bp    mRNA            EST       13-MAR-1996
DEFINITION  za69d12.s1 Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone
            IMAGE:297815 3', mRNA sequence.
ACCESSION   N68916
VERSION     N68916.1  GI:1225077
KEYWORDS    EST.
SOURCE      human.
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 406)
  AUTHORS   Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman
            ,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J.,
            Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston
            ,R., Williamson,A., Wohldmann,P. and Wilson,R.
  TITLE     The WashU-Merck EST Project
  JOURNAL   Unpublished (1995)
COMMENT     Contact: Wilson RK
            Washington University School of Medicine
            4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
            Tel: 314 286 1800
            Fax: 314 286 1810
            Email: est@watson.wustl.edu
            This clone is available royalty-free through LLNL ; contact the
            IMAGE Consortium (info@image.llnl.gov) for further information.
            Seq primer: m13 -40 forward.
FEATURES             Location/Qualifiers
     source          1..406
                     /organism="Homo sapiens"
                     /db_xref="GDB:1242737"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:297815"
                     /clone_lib="Soares_fetal_lung_NbHL19W"
                     /dev_stage="19 weeks"
                     /lab_host="DH10B (ampicillin resistant)"
                     /note="Organ: lung; Vector: pT7T3D (Pharmacia) with a
                     modified polylinker; Site_1: Not I; Site_2: Eco RI; 1st
                     strand cDNA was primed with a Not I - oligo(dT) primer
                     [5'-TGTTACCAATCTGAAGTGGGAGCGGCCGCAATTTTTTTTTTTTTTTTT-3'],
                     double-stranded cDNA was size selected, ligated to Eco RI
                     adapters (Pharmacia), digested with Not I and cloned into
                     the Not I and Eco RI sites of a modified pT7T3 vector
                     (Pharmacia). Library went through one round of
                     normalization to a Cot = 5. Library constructed by Bento
                     Soares and M.Fatima Bonaldo. This library was constructed
                     from the same fetus as the fetal heart library, Soares
                     fetal heart NbHH19W."
BASE COUNT       99 a    115 c    107 g     82 t      3 others
ORIGIN
        1 cgcaaaccac aagtgtttat tgcagaaatc tggccaacat tccaattgca gggccccagc
       61 acagggctgg cnaggtgaga tagggagggg tggaggaagt aatctggccc agggctcaag
      121 agctgtgaga tgatattggg tgccaggctg caggtgaggc ctgtnccatc tggttccaca
```

```
       181 ttcagggcct tcactatgcc atcctgtacc accatggaga acctcttgag acgtcgattc
       241 ccaaagatgg acaccagcga atcatctagt aataagtctg tctccttccc aaaggcccca
       301 gtgggatcag ccaggagccg aaccttgcct tccgccttgt gggctncggc ccacttcgcc
       361 agtcacaaag gcatcattaa cactcagaca ggccaccacc tggact
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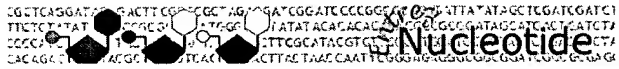

1: AA087129. mk21e10.r1 Soares...[gi:1630347] Taxonomy, LinkOut

```
LOCUS       AA087129      465 bp    mRNA            EST       23-OCT-1996
DEFINITION  mk21e10.r1 Soares mouse p3NMF19.5 Mus musculus cDNA clone
            IMAGE:493578 5' similar to TR:G1204821 G1204821 HYPOTHETICAL 26.7
            KD PROTEIN. ;, mRNA sequence.
ACCESSION   AA087129
VERSION     AA087129.1  GI:1630347
KEYWORDS    EST.
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 465)
  AUTHORS   Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
            Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
            Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
            Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
            Waterston,R.
  TITLE     The WashU-HHMI Mouse EST Project
  JOURNAL   Unpublished (1996)
COMMENT     Contact: Marra M/Mouse EST Project
            WashU-HHMI Mouse EST Project
            Washington University School of MedicineP
            4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
            Tel: 314 286 1800
            Fax: 314 286 1810
            Email: mouseest@watson.wustl.edu
            This clone is available royalty-free through LLNL ; contact the
            IMAGE Consortium (info@image.llnl.gov) for further information.
            MGI:297026
            Seq primer: -28M13 rev2 from Amersham
            High quality sequence stop: 444.
FEATURES             Location/Qualifiers
     source          1..465
                     /organism="Mus musculus"
                     /db_xref="taxon:10090"
                     /clone="IMAGE:493578"
                     /clone_lib="Soares mouse p3NMF19.5"
                     /dev_stage="19.5 dpc total fetus"
                     /lab_host="DH10B (ampicillin resistant)"
                     /note="Vector: pT7T3D (Pharmacia) with a modified
                     polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA
                     was primed with a Not I - oligo(dT) primer [5'
                     TGTTACCAATCTGAAGTGGGAGCGGCCGCATTTTTTTTTTTTTTTTTT 3'],
                     double-stranded cDNA was size selected, ligated to Eco RI
                     adapters (Pharmacia), digested with Not I and cloned into
                     the Not I and Eco RI sites of a modified pT7T3 vector
                     (Pharmacia). Library went through one round of
                     normalization to a Cot = 5. Library constructed by Bento
                     Soares and M.Fatima Bonaldo. RNA was kindly provided by
                     Dr. Minoru Ko (Wayne State University)."
BASE COUNT      100 a    101 c    157 g    107 t
ORIGIN
```

```
     1 cggccgcgca gcttcagcag ctccgcggtg accatggccc cgatcaaggt gggagatgcc
    61 attccctcag tggaggtatt tgaaggggaa ccgggaaaga aggtgaactt ggcagagctg
   121 ttcaagggca agaaaggtgt tttgtttgga gtccctgggg catttacacc tggctgttct
   181 aagacccacc tgcctgggtt tgtggagcaa gctggagctc tgaaggccaa gggagcgcag
   241 gtggtggcct gtctgagcgt taatgacgtc tttgtgattg aagagtgggg tcgagcccac
   301 caggcagaag gcaaggttcg gctcctggct gaccccactg gagcctttgg gaaggcgaca
   361 gacttattat tggatgattc tttggtgtct ctctttggga atcgtcggct gaaaaggttc
   421 tccatggtga tagacaacgg catagtgaag gcactgaacg tggag
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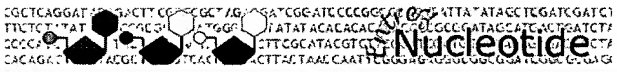

1: AA255021. mz85h09.r1 Soares...[gi:1889631] Taxonomy, LinkOut

```
LOCUS       AA255021      537 bp    mRNA            EST       14-MAR-1997
DEFINITION  mz85h09.r1 Soares mouse NML Mus musculus cDNA clone IMAGE:720257 5'
            similar to TR:G1204821 G1204821 HYPOTHETICAL 26.7 KD PROTEIN. ;,
            mRNA sequence.
ACCESSION   AA255021
VERSION     AA255021.1  GI:1889631
KEYWORDS    EST.
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 537)
  AUTHORS   Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
            Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
            Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
            Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
            Waterston,R.
  TITLE     The WashU-HHMI Mouse EST Project
  JOURNAL   Unpublished (1996)
COMMENT     Contact: Marra M/Mouse EST Project
            WashU-HHMI Mouse EST Project
            Washington University School of MedicineP
            4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
            Tel: 314 286 1800
            Fax: 314 286 1810
            Email: mouseest@watson.wustl.edu
            This clone is available royalty-free through LLNL ; contact the
            IMAGE Consortium (info@image.llnl.gov) for further information.
            MGI:445753
            Seq primer: -28m13 rev2 ET from Amersham
            High quality sequence stop: 494.
FEATURES             Location/Qualifiers
     source          1..537
                     /organism="Mus musculus"
                     /db_xref="taxon:10090"
                     /clone="IMAGE:720257"
                     /clone_lib="Soares mouse NML"
                     /tissue_type="Liver"
                     /lab_host="DH10B"
                     /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
                     polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA
                     was primed with a Not I - oligo(dT) primer [5'
                     TGTTACCAATCTGAAGTGGGAGCGGCCGCGAATCTTTTTTTTTTTTTTTTT 3'];
                     double-stranded cDNA was ligated to Eco RI adaptors
                     (Pharmacia), digested with Not I and cloned into the Not I
                     and Eco RI sites of the modified pT7T3 vector. Library
                     constructed and normalized by Bento Soares and M.Fatima
                     Bonaldo."
BASE COUNT      113 a    118 c    183 g    122 t      1 others
ORIGIN
        1 cgagtcctgg gctgcaaaca cgttctgtgc tccgtgcatc gacgtgcttg gcaggcagac
       61 aggccggaaa gaagcaggtt gggagtgtgg cggccgcang cttcagcagc tccgcggtga
```

```
      121 ccatggcccc gatcaaggtg ggagatgcca ttccctcagt ggaggtattt gaaggggaac
      181 cgggaaagaa ggtgaacttg gcagagctgt tcaagggcaa gaaaggtgtt ttgtttggag
      241 tccctggggc atttacacct ggctgttcta agacccacct gcctgggttt gtggagcaag
      301 ctggagctct gaaggccaag ggagcgcagg tggtggcctg tctgagcgtt aatgacgtct
      361 ttgtgattga agagtggggt cgagcccacc aggcagaagg caaggttcgg ctcctggctg
      421 accccactgg agcctttggg aaggcgacag acttattatt ggatgattct ttggtgtctc
      481 tctttgggaa tcgtcggctg aaaaggttct ccatggtgat agacaacggc atagtga
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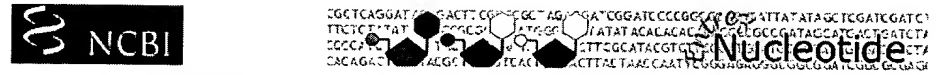

❑1: AA220019. mv65a09.r1 Soares...[gi:1834137] Taxonomy, LinkOut

```
LOCUS       AA220019      506 bp    mRNA            EST       07-FEB-1997
DEFINITION  mv65a09.r1 Soares mouse 3NME12 5 Mus musculus cDNA clone
            IMAGE:659896 5' similar to TR:G1204821 G1204821 HYPOTHETICAL 26.7
            KD PROTEIN. ;, mRNA sequence.
ACCESSION   AA220019
VERSION     AA220019.1  GI:1834137
KEYWORDS    EST.
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 506)
  AUTHORS   Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
            Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
            Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
            Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
            Waterston,R.
  TITLE     The WashU-HHMI Mouse EST Project
  JOURNAL   Unpublished (1996)
COMMENT     Contact: Marra M/Mouse EST Project
            WashU-HHMI Mouse EST Project
            Washington University School of MedicineP
            4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
            Tel: 314 286 1800
            Fax: 314 286 1810
            Email: mouseest@watson.wustl.edu
            This clone is available royalty-free through LLNL ; contact the
            IMAGE Consortium (info@image.llnl.gov) for further information.
            MGI:405744
            Putative full length read
            vector to vector length is 617
            Seq primer: -28m13 rev2 ET from Amersham
            High quality sequence stop: 495.
FEATURES             Location/Qualifiers
     source          1..506
                     /organism="Mus musculus"
                     /strain="C57BL/6J"
                     /db_xref="taxon:10090"
                     /clone="IMAGE:659896"
                     /clone_lib="Soares mouse 3NME12 5"
                     /sex="unknown"
                     /tissue_type="fetus"
                     /dev_stage="12.5dpc total fetus"
                     /lab_host="DH10B"
                     /note="Organ: whole fetus; Vector: pT7T3D-Pac (Pharmacia)
                     with a modified polylinker; Site_1: Not I; Site_2: Eco RI;
                     1st strand cDNA was primed with a Not I - oligo(dT) primer
                     [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCCTTATTTTTTTTTTTTTTTTT
                     3'],  on total  mouse RNA [provided by Minoru Ko, Wayne
                     State Univ.]; double-stranded cDNA was ligated to Eco RI
                     adaptors (Pharmacia), digested with Not I and cloned into
                     the Not I and Eco RI sites of the modified pT7T3 vector.
```

```
                    Library went through one round of normalization, and was
                    constructed by Bento Soares and M. Fatima Bonaldo.  "
BASE COUNT      109 a    118 c    160 g    119 t
ORIGIN
        1 tcaaggtggg agatgccatt ccctcagtgg aggtatttga aggggaaccg ggaaagaagg
       61 tgaacttggc agagctgttc aagggcaaga aaggtgtttt gtttggagtc cctggggcat
      121 ttacacctgg ctgttctaag acccacctgc ctgggtttgt ggagcaagct ggagctctga
      181 aggccaaggg agcgcaggtg gtggcctgtc tgagcgttaa tgacgtcttt gtgattgaag
      241 agtggggtcg agcccaccag gcagaaggca aggttcggct cctggctgac cccactggag
      301 cctttgggaa ggcgacagac ttattattgg atgattcttt ggtgtctctc tttgggaatc
      361 gtcggctgaa aaggttctcc atggtgatag acaacggcat agtgaaggca ctgaacgtgg
      421 agccagatgg cacaggcctc acctgcagcc tggcccccaa catcctctct caactctgag
      481 gccctggcca gatgtcctct gactct
//
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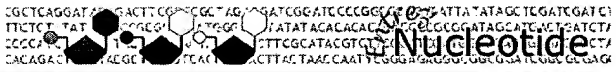

1: AA123351. mq10a03.r1 Barste...[gi:1681388] Taxonomy, LinkOut

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LOCUS       AA123351      536 bp    mRNA            EST       13-FEB-1997
DEFINITION  mq10a03.r1 Barstead MPLRB1 Mus musculus cDNA clone IMAGE:578284 5'
            similar to TR:G1204821 G1204821 HYPOTHETICAL 26.7 KD PROTEIN. ;,
            mRNA sequence.
ACCESSION   AA123351
VERSION     AA123351.1  GI:1681388
KEYWORDS    EST.
SOURCE      house mouse.
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 536)
  AUTHORS   Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
            Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
            Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
            Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
            Waterston,R.
  TITLE     The WashU-HHMI Mouse EST Project
  JOURNAL   Unpublished (1996)
COMMENT     Contact: Marra M/Mouse EST Project
            WashU-HHMI Mouse EST Project
            Washington University School of MedicineP
            4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
            Tel: 314 286 1800
            Fax: 314 286 1810
            Email: mouseest@watson.wustl.edu
            This clone is available royalty-free through LLNL ; contact the
            IMAGE Consortium (info@image.llnl.gov) for further information.
            MGI:352932
            Seq primer: -28m13 rev2 ET from Amersham
            High quality sequence stop: 438.
FEATURES             Location/Qualifiers
     source          1..536
                     /organism="Mus musculus"
                     /strain="BALB/c"
                     /db_xref="taxon:10090"
                     /clone="IMAGE:578284"
                     /clone_lib="Barstead MPLRB1"
                     /sex="mixed"
                     /tissue_type="Kidney"
                     /dev_stage="6 weeks"
                     /lab_host="DH10B"
                     /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
                     polylinker; Site_1: EcoRI; Site_2: NotI; 1st strand cDNA
                     was primed with a Not I - oligo(dT) primer [5'
                     TGTTACGAATCTGAAGTGGGAGCGGCCGCCCTTTTTTTTTTTTTTTTTTTTTTT
                     3']; double-stranded cDNA was ligated to Eco RI adaptors
                     [CATGGATTCGGTACC], digested with Not I and cloned into the
                     Not I and Eco RI sites of the modified pT7T3 vector.
                     Library constructed by Bob Barstead."
BASE COUNT      117 a    115 c    184 g    120 t
ORIGIN
```

```
     1 attcggatcc atgcgtgcat cgacgtgctt ggcaggcaga caggccggaa agaagcaggt
    61 tgggagtgtg gcggccgaca gcttcagcag ctccgcggtg accatggccc cgatcaaggt
   121 gggagatgcc attccctcag tggaggtatt tgaaggggaa ccgggaaaga aggtgaactt
   181 ggcagagctg ttcaagggca agaaaggtgt tttgtttgga gtccctgggg catttacacc
   241 tggctgttct aagacccacc tgcctgggtt tgtggagcaa gctggagctc tgaaggccaa
   301 gggagcgcag gtggtggcct gtctgagcgt taatgacgtc tttgtgattg aagagtgggg
   361 tcgagcccac caggcagaag gcaaggttcg gctcctggct gaccccactg gagcctttgg
   421 gaaggcgaca gacttattat tggatgattc tttggtgtct ctctttggga atcgtcggct
   481 gaaaaggttc tccatggtga tagacaacgg catagtgaag gcactgaacg tggagc
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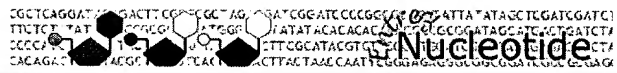

1: H66666. yr77h10.r1 Soares...[gi:1025406] PubMed, Taxonomy, LinkOut

```
LOCUS       H66666         416 bp    mRNA            EST       18-OCT-1995
DEFINITION  yr77h10.r1 Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone
            IMAGE:211363 5' similar to SP:PMPA_CANBO P14292 PEROXISOMAL
            MEMBRANE PROTEIN A ;, mRNA sequence.
ACCESSION   H66666
VERSION     H66666.1  GI:1025406
KEYWORDS    EST.
SOURCE      human.
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 416)
  AUTHORS   Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B.,
            Chissoe,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W., Hawkins
            ,M., Hultman,M., Kucaba,T., Lacy,M., Le,M., Le,N., Mardis,E., Moore
            ,B., Morris,M., Parsons,J., Prange,C., Rifkin,L., Rohlfing,T.,
            Schellenberg,K., Soares,M.B., Tan,F., Thierry-Meg,J., Trevaskis,E.,
            Underwood,K., Wohldmann,P., Waterston,R., Wilson,R. and Marra,M.
  TITLE     Generation and analysis of 280,000 human expressed sequence tags
  JOURNAL   Genome Res. 6 (9), 807-828 (1996)
  MEDLINE   97044478
COMMENT     Contact: Wilson RK
            Washington University School of Medicine
            4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
            Tel: 314 286 1800
            Fax: 314 286 1810
            Email: est@watson.wustl.edu
            Insert Size: 675
            High quality sequence stops: 269
            Source: IMAGE Consortium, LLNL
            This clone is available royalty-free through LLNL ; contact the
            IMAGE Consortium (info@image.llnl.gov) for further information.
            Insert Length: 675   Std Error: 0.00
            Seq primer: M13RP1
            High quality sequence stop: 269.
FEATURES             Location/Qualifiers
     source          1..416
                     /organism="Homo sapiens"
                     /db_xref="GDB:3784204"
                     /db_xref="taxon:9606"
                     /clone="IMAGE:211363"
                     /clone_lib="Soares fetal liver spleen 1NFLS"
                     /sex="male"
                     /dev_stage="20 week-post conception fetus"
                     /lab_host="DH10B (ampicillin resistant)"
                     /note="Organ: Liver and Spleen; Vector: pT7T3D (Pharmacia)
                     with a modified polylinker; Site_1: Pac I; Site_2: Eco RI;
                     1st strand cDNA was primed with a Pac I - oligo(dT) primer
                     [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTTT 3'],
                     double-stranded cDNA was ligated to Eco RI adaptors
                     (Pharmacia), digested with Pac I and cloned into the Pac I
                     and Eco RI sites of the modified pT7T3 vector.  Library
```

went through one round of normalization. Library
constructed by Bento Soares and M.Fatima Bonaldo."
BASE COUNT 82 a 96 c 128 g 102 t 8 others
ORIGIN

```
        1 cctggcagag ctgttcaagg gcaagaaggg tgtgctgttt ggagttcctg gggccttcac
       61 ccctggatgt tccaagacac acctgccagg gtttgtggag caggctgagg ctctgaaggc
      121 caagggagtc caggtggtgg cctgtctgag tgttaatgat gcctttgtga ctngcgagtg
      181 gggccgagcc acaaggcgna aggcaaggtt cggctcctgg ctgatcccac tggggccttt
      241 nggaaggaga cagacttatt actagatgat tcgctggtgt ccatctttgg gaatcgacgt
      301 ctcaagaggt tctccatngt tgtacaggat nggcatagtt gaaggccctg aatgtggaac
      361 cagatggcac aggccttcac ctncagcctg ggcacccatt ttcttntcac antttt
//
```

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